

## $\beta$ -AMINO ACIDS

### ABSTRACT OF THE DISCLOSURE

Disclosed are  $\beta$ -amino acid monomers containing cycloalkyl, cycloalkenyl, and heterocyclic substituents which encompass the  $\alpha$  and  $\beta$  carbons of the peptide backbone and  $\beta$ -polypeptides made from such monomers. Method of generating combinatorial libraries of polypeptides containing the  $\beta$ -peptide residues and libraries formed thereby are disclosed.